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TITLE: Inhibitor of degradation of muco-polysaccharide,
active oxygen
inactivator and cosmetics - comprise super-oxide
dismutase-like active oxygen
removers obtd. from extract of flower petals

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PATENT-FAMILY:

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ABSTRACTED-PUB-NO: JP07309770A

BASIC-ABSTRACT: Superoxide dismutase (SOD)-like active
oxygen removers contg.
at least one of extract of petals of flowers of 24 kinds of
plants, and
inhibitors of degradation of mucopolysaccharide contg. at
least one of extract
of petals of flowers of 42 kinds of plants including the
preceding 24 kinds of
plants. Cosmetics contg. at least one of the extracts of
SOD-like active
oxygen removers and inhibitors of degradation of
mucopolysaccharide.

Petals of flowers of 42 plants (e.g. rose, peach, Japanese
apricot, Thunberg
spirea, sasanqua camellia, common camellia, torch azalea,

kobus magnolia, yulan
magnolia, Chinese paeony, carnation, snapdragon, daisy,
dandelion, Japanese
wisteria, Chinese cabbage, common stock, hollyhock, shrub
althea, cotton-rose
hibiscus, common hydrangea, common crape myrtle and
sweet-scented oleander) are
extracted with water and/or lower alcohols (e.g. MeOH, EtOH
and PrOH) and the
extract is added in various bases (e.g. soln., emulsion,
ointment, oil, wax,
sol, gel and powder) including cosmetics and external
preps..

USE/ADVANTAGE - Inhibitors of degradation of
mucopolysaccharide, active oxygen
removers and cosmetics. Prevention of ageing due to
degradation of
mucopolysaccharides with active oxygen and UV ray.

In an example, extracts of petals of flowers were tested
for the inhibition of
degradation of hyaluronic acid in ascorbic acid-Fe and
H2O2-Fe systems at 10
and 0.1 mg/ml, respectively. Extract of pink rose showed
inhibitory rate of
86.1 and 37.2%, respectively. Crape myrtle showed corresp.
rate of 89.6 and
38.1 %, respectively.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

INHIBIT DEGRADE MUCO POLYSACCHARIDE ACTIVE OXYGEN
INACTIVATE COSMETIC COMPRISE
SUPER OXIDE DISMUTASE ACTIVE OXYGEN REMOVE OBTAIN EXTRACT
FLOWER PETAL

DERWENT-CLASS: B04 D21

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D08-B;

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